Amendment and Response [Under 37 C.F.R. §1.116 - Expedited Examining Procedure]

Serial No.: 10/560,702 Confirmation No.: 1948 Filed: December 13, 2005

For: UNIFORMLY COLOURED CERAMIC FRAMEWORK AND COLOURING SOLUTION

Amendments to the Claims

This listing of claims replaces all prior versions, and listings, of claims in the above-identified application:

Listing of Claims

- 1-14. (Canceled)
- 15. (Withdrawn and Currently Amended) The <u>ceramic framework of claim 27, wherein the colouring solution emposition of claim 14</u> further <u>comprising comprises</u> a stabilizer.
- 16. (Withdrawn and Currently Amended) The <u>ceramic framework of claim 27, wherein the colouring solution composition of claim 14, wherein the solution</u> has a viscosity comparable to an aqueous polyethylene glycol solution that is 6% by weight of polyethylene glycol 35,000 (Mn = 14,000 to 19,000) at 23°C.
- 17. (Withdrawn and Currently Amended) The <u>ceramic framework of claim 27, eomposition of claim 14</u>, wherein the solvent further comprises water, methyl alcohol, ethyl alcohol, iso-propyl alcohol, n-propyl alcohol, acetone, glycol, or glycerol or mixtures thereof.
- 18. (Withdrawn and Currently Amended) The <u>ceramic framework of claim 27</u>, eomposition of claim 14, wherein the anion of the metal salt or metal complex is selected from CI⁻, Br⁻, J⁻, SO₄²⁻, SO₃²⁻, NO₂⁻, or NO₃⁻.
- 19. (Withdrawn and Currently Amended) The <u>ceramic framework of claim 27</u>, eomposition of elaim 14, wherein the metal salt or metal complex contains elements selected from La, Pr, Er, Fe, Co, Ni, Cu or Mn.
- 20. (Withdrawn and Currently Amended) The <u>ceramic framework of claim 27</u>, wherein the <u>colouring solution composition of claim 14</u>, further <u>comprising</u> comprises an additive selected

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from the group consisting of stabilizers, complex builders, beating additives buffers, and [[or]] thixotropic substances.

- 21. (Canceled)
- 22. (Withdrawn and Currently Amended) The <u>ceramic framework of claim 29</u>, wherein the process of claim 21, further comprising the comprises a step of drying the treated ceramic framework after it has been treated with the composition colouring solution.
- 23. (Withdrawn and Currently Amended) The <u>ceramic framework of claim 29</u>, wherein the process <u>comprises treating according to claim 21</u>, wherein the ceramic framework is treated with the composition <u>colouring solution</u> for about 1 to 5 minutes at room temperature.
- 24. (Withdrawn and Currently Amended) The <u>ceramic framework of claim 29</u>, process according to claim 21, wherein the firing takes place for a ZrO₂ based ceramic at a temperature above 1300°C and lasts for at least 0.5 h and for a Al₂O₃ based ceramic at a temperature above 1350°C and lasts for at least 0.5 h.
- 25. (Withdrawn and Currently Amended) The <u>ceramic framework of claim 29</u>, process according to claim 21, wherein the firing takes place at a temperature above about 1300 °C.
- 26. (Withdrawn and Currently Amended) The <u>ceramic framework of claim 29, wherein</u> process according to claim 21, wherein colouring the ceramic framework is treated with the <u>composition colouring solution</u> by dipping the framework into the composition, <u>or</u> by spraying, brushing or [[by]] using a sponge or fabric to apply the composition.
- 27. (Currently Amended) A <u>dental</u> ceramic framework, treated with a <u>composition</u> <u>colouring</u> <u>solution comprising</u>:
 - a) a solvent;

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- b) a metal salt or metal complex, soluble in the solvent, wherein the amount of the metal ions in the composition is in the range of 0.01 to 7.0% by weight; and
- c) polyethylene glycol having a Mn in the range of 10,000 to 50,000 in an amount of 1 to 8% by weight of the total composition;

wherein the metal salt is selected from rare earth elements and/or the subgroups of the rare earth elements and/or salts of transition metals of the groups IIIA, IVA, VA, VIA, VIIA, VIIIA, IB, IIB.

- 28. (Previously Presented) The ceramic framework according to claim 27, wherein the ceramic is presintered and adsorbent.
- 29. (Currently Amended) A <u>dental</u> ceramic framework, made by the process comprising the steps of:
 - a) providing a <u>dental</u> ceramic framework;
 - b) providing the composition a colouring solution comprising:
 - i) a solvent;
 - ii) a metal salt or metal complex, soluble in the solvent, wherein the amount of the metal ions in the composition is in the range of 0.01 to 7.0% by weight; and
 - iii) polyethylene glycol having a Mn in the range of 10,000 to 50,000 in an amount of 1 to 8% by weight of the total composition;

wherein the metal salt is selected from rare earth elements and/or the subgroups of the rare earth elements and/or salts of transition metals of the groups IIIA, IVA,

VA, VIA, VIIA, VIIIA, IB, IIB;

- c) treating the ceramic framework with the composition colouring solution of step b); and
- d) firing the treated ceramic framework.
- 30. (Previously Presented) A ceramic framework according to claim 27 comprising ZrO₂ or Al₂O₃.

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31-32. (Canceled)

- 33. (Withdrawn and Currently Amended) The <u>ceramic framework of claim 27, method of claim 31</u>, wherein the ceramic framework is selected from presintered bodies comprising ZrO₂ and/or Al₂O₃.
- 34. (Withdrawn and Currently Amended) The <u>ceramic framework of claim 29, method of elaim 32</u>, wherein the ceramic framework is selected from presintered bodies comprising ZrO₂ and/or Al₂O₃.